


```
In [ ]: # Fill in the code to get status
        custom_model.status
```

```
Out[ ]: 'ready'
```

```
In [ ]: custom_model.training_started_on
```

```
Out[ ]: datetime.datetime(2023, 3, 13, 9, 16, 38, tzinfo=<isodate.tzinfo.Utc object at 0x7f3f651fad10>)
```

```
In [ ]: custom_model.training_completed_on
```

```
Out[ ]: datetime.datetime(2023, 3, 13, 9, 16, 39, tzinfo=<isodate.tzinfo.Utc object at 0x7f3f651fad10>)
```

```
In [ ]: # Fill in the code to get training documents
        custom_model.training_documents
```

```
Out[ ]: [TrainingDocumentInfo(name=boarding_trongphan.pdf, status=succeeded, page_count=1, errors=[], model_id=None),
        TrainingDocumentInfo(name=boarding-avkash.pdf, status=succeeded, page_count=1, errors=[], model_id=None),
        TrainingDocumentInfo(name=boarding-james-webb.pdf, status=succeeded, page_count=1, errors=[], model_id=None),
        TrainingDocumentInfo(name=boarding-james.pdf, status=succeeded, page_count=1, errors=[], model_id=None),
        TrainingDocumentInfo(name=boarding-libby.pdf, status=succeeded, page_count=1, errors=[], model_id=None),
        TrainingDocumentInfo(name=boarding-radha-s-kumar.pdf, status=succeeded, page_count=1, errors=[], model_id=None),
        TrainingDocumentInfo(name=boarding-sameer.pdf, status=succeeded, page_count=1, errors=[], model_id=None)]
```

```
In [ ]: for doc in custom_model.training_documents:
        print("Document name: {}".format(doc.name))
        print("Document status: {}".format(doc.status))
        print("Document page count: {}".format(doc.page_count))
        print("Document errors: {}".format(doc.errors))
```

Document name: boarding_trongphan.pdf
Document status: succeeded
Document page count: 1
Document errors: []
Document name: boarding-avkash.pdf
Document status: succeeded
Document page count: 1
Document errors: []
Document name: boarding-james-webb.pdf
Document status: succeeded
Document page count: 1
Document errors: []
Document name: boarding-james.pdf
Document status: succeeded
Document page count: 1
Document errors: []
Document name: boarding-libby.pdf
Document status: succeeded
Document page count: 1
Document errors: []
Document name: boarding-radha-s-kumar.pdf
Document status: succeeded
Document page count: 1
Document errors: []
Document name: boarding-sameer.pdf
Document status: succeeded
Document page count: 1
Document errors: []

```
In [ ]: custom_model.properties
```

```
Out[ ]: CustomFormModelProperties(is_composed_model=False)
```

```
In [ ]: custom_model.submodels
```

```
Out[ ]: [CustomFormSubmodel(accuracy=0.883, model_id=d9261095-519d-4ce0-bf1a-0a44004b0bac, fields={'Baggage': CustomFormModelField(label=None, name=Baggage, accuracy=0.714), 'Boarding Time': CustomFormModelField(label=None, name=Boarding Time, accuracy=0.857), 'Carrier': CustomFormModelField(label=None, name=Carrier, accuracy=0.995), 'Class': CustomFormModelField(label=None, name=Class, accuracy=0.995), 'Date': CustomFormModelField(label=None, name=Date, accuracy=0.857), 'Flight Number': CustomFormModelField(label=None, name=Flight Number, accuracy=0.995), 'From': CustomFormModelField(label=None, name=From, accuracy=0.857), 'Gate': CustomFormModelField(label=None, name=Gate, accuracy=0.857), 'Passenger Name': CustomFormModelField(label=None, name=Passenger Name, accuracy=0.714), 'Seat': CustomFormModelField(label=None, name=Seat, accuracy=0.995), 'To': CustomFormModelField(label=None, name=To, accuracy=0.857)}, form_type=custom:d9261095-519d-4ce0-bf1a-0a44004b0bac)]
```

```
In [ ]: for submodel in custom_model.submodels:
        print(
            "The submodel with form type '{}' has recognized the following fields: {}".format(
                submodel.form_type,
                ", ".join(
                    [
                        field.label if field.label else name
                        for name, field in submodel.fields.items()
                    ]
                ),
            )
        )
```

The submodel with form type 'custom:d9261095-519d-4ce0-bf1a-0a44004b0bac' has recognized the following fields: Baggage, Boarding Time, Carrier, Class, Date, Flight Number, From, Gate, Passenger Name, Seat, To

```
In [ ]: custom_model.model_id
```

```
Out[ ]: 'd9261095-519d-4ce0-bf1a-0a44004b0bac'
```

```
In [ ]: custom_model_info = form_training_client.get_custom_model(model_id=custom_model.model_id)
        print("Model ID: {}".format(custom_model_info.model_id))
        print("Status: {}".format(custom_model_info.status))
        print("Training started on: {}".format(custom_model_info.training_started_on))
        print("Training completed on: {}".format(custom_model_info.training_completed_on))
```

Model ID: d9261095-519d-4ce0-bf1a-0a44004b0bac
Status: ready
Training started on: 2023-03-13 09:16:38+00:00
Training completed on: 2023-03-13 09:16:39+00:00

TEST MODEL

```
In [ ]: new_test_url = "https://trongstorageaccounts.blob.core.windows.net/trongblobcontainers/boarding_trongphan.pdf?sp=racv
```

```
In [ ]: new_test_url
```

```
Out[ ]: 'https://trongstorageaccounts.blob.core.windows.net/trongblobcontainers/boarding_trongphan.pdf?sp=racwdt&st=2023-03-13T09:58:35Z&se=2023-03-13T17:58:35Z&spr=https&sv=2021-12-02&sr=b&sig=q4KFTvTZKP5laNbFbAEDZcyP%2F23xbdcG53%2F%2F8WuEFgU%3D'
```

```
In [ ]: form_recognizer_client = FormRecognizerClient(endpoint=endpoint, credential=AzureKeyCredential(key))
```

```
In [ ]: custom_model.model_id
```

```
Out[ ]: 'd9261095-519d-4ce0-bf1a-0a44004b0bac'
```

```
In [ ]: custom_model_info.model_id
```

```
Out[ ]: 'd9261095-519d-4ce0-bf1a-0a44004b0bac'
```

```
In [ ]: custom_test_action = form_recognizer_client.begin_recognize_custom_forms_from_url(model_id=custom_model_info.model_id)
```

```
In [ ]: custom_test_action.status()
```

```
Out[ ]: 'notStarted'
```

```
In [ ]: custom_test_action_result = custom_test_action.result()
```

```
In [ ]: for recognized_content in custom_test_action_result:
    print("Form type: {}".format(recognized_content.form_type))
    for name, field in recognized_content.fields.items():
        print("Field '{}' has label '{}' with value '{}' and a confidence score of {}".format(
            name,
            field.label_data.text if field.label_data else name,
            field.value,
            field.confidence
        ))
```

Form type: custom:d9261095-519d-4ce0-bf1a-0a44004b0bac

Field 'Carrier' has label 'Carrier' with value 'VN' and a confidence score of 0.995

Field 'Date' has label 'Date' with value 'March 12, 2023 March 12, 2023' and a confidence score of 0.973

Field 'Baggage' has label 'Baggage' with value 'No' and a confidence score of 0.952

Field 'Boarding Time' has label 'Boarding Time' with value '08:28 PM PST 08:28 PM PST' and a confidence score of 0.978

Field 'Gate' has label 'Gate' with value 'G2 G2' and a confidence score of 0.983

Field 'Flight Number' has label 'Flight Number' with value '456' and a confidence score of 0.995

Field 'Seat' has label 'Seat' with value '28C 28C' and a confidence score of 0.99

Field 'Class' has label 'Class' with value 'E' and a confidence score of 0.995

Field 'Passenger Name' has label 'Passenger Name' with value 'Trong Phan Trong Phan' and a confidence score of 0.888

Field 'To' has label 'To' with value 'Ha Noi Ha Noi' and a confidence score of 0.981

Field 'From' has label 'From' with value 'Sai Gon Sai Gon' and a confidence score of 0.98